

3 结论

(1) S-IIR1451胶料的加工性能与IIR301胶料相近,但出口胀大尺寸明显较小,具有更好的成型和定型性能。

(2) S-IIR1451硫化胶的物理性能以及耐热氧化性能优于IIR301硫化胶。

(3) 将S-IIR1451胶料应用于半钢轮胎和全钢轮胎硫化胶囊的制备,试验结果表明,由于S-IIR1451的不饱和度低,其表现出更为优异的

耐热氧化性能,用其制备的硫化胶囊使用寿命与采用IIR301胶料制备的硫化胶囊相比提高20%以上。

参考文献:

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Properties of Star-branched Butyl Rubber S-IIR1451 and Its Application in Tire Bladder

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Abstract: In this study, the Mooney relaxation, rheological properties, vulcanization characteristics of the domestic star-branched butyl rubber S-IIR1451 compounds, and the physical properties and thermal oxidative aging resistances of the S-IIR1451 vulcanizates were investigated, and compared with those of imported product IIR301. The tire curing bladders made from S-IIR1451 were experimentally applied in the production of semi-steel and all steel tires, and compared with those from IIR301. The results showed that the S-IIR1451 compounds displayed lower die swell with similar processing properties compared with IIR301, and the S-IIR1451 vulcanizates possessed better physical properties and thermal oxidative aging resistance than those of IIR301. The experimental tire bladders made from S-IIR1451 exhibited superior thermal oxidative aging resistance and their service life was higher by 20% or more than that of tire bladders made from IIR301.

Key words: butyl rubber; star-branched butyl rubber; processing property; rheological property; thermal oxidative aging resistance; tire bladder; service life

20号胶期货交易获批

2019年7月5日,上海期货交易所子公司上海国际能源交易中心(简称上期能源)宣布,中国证监会已批准上期能源开展20号胶期货交易,合约自2019年8月12日正式挂牌交易。这是上期能源上市的第2个国际化品种。

我国目前已经成为全球第一大20号胶消费国和进口国。上期能源有关负责人表示,20号胶期货上市,既有利于构建全球天然橡胶市场的定价体系,助力于我国橡胶工业的发展,服务我国天然橡胶企业“走出去”;又有利于进一步扩大我国天然橡胶期货市场的的影响力,推进我国期货市场对

外开放。中国橡胶工业协会副会长兼秘书长徐文英表示,中国作为全球20号胶的战略买家,推出自己的20号胶期货具有非凡意义。一方面符合下游终端的真实需求、符合天然橡胶产业的发展趋势;另一方面服务国家“一带一路”建设倡议,可加深我国与东南亚各国的政经往来和金融合作。

海南天然橡胶产业集团股份有限公司、云南天然橡胶产业集团有限公司、广东省广垦橡胶集团有限公司负责人表示,他们都在积极实施天然橡胶业务“走出去”战略,20号胶期货的上市将为他们提供更丰富的价格风险管理工具。

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